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WU Record

Published For The Washington University Community

October 2, 1975

Survey of Ph.D.s Shows More Than 90% Placement

Results of an annual survey compiled by the WU Graduate School of Arts and Sciences show that 123 of 127 Ph.D. students graduated during the 1974-75 academic year have found employment or are pursuing further training.

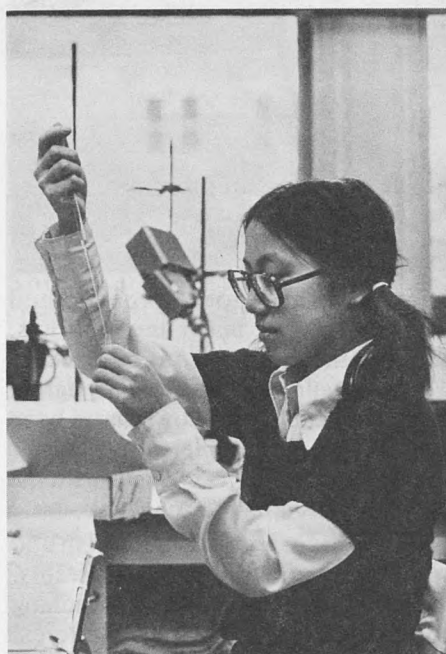
A breakdown shows that 58 persons are teaching in colleges and universities; 29 are doing post-doctoral work; 10 are doing research; 8 are doing miscellaneous work such as working at the United Nations; 7 are working in professional service; 4 are working in industry; 2 are doing independent work (one is a free-lance musician and another is doing independent research and writing); 5 are taking additional training in medical and dental schools, and 4 did not report jobs.

Dean Ralph E. Morrow of the Graduate School of Arts and Sciences, who does the survey each year in cooperation with the National Research Council, said that the placement rate is about the same as it has been for the past five years—more than 90 percent.

Fewer women received Ph.D. degrees last year (31 out of 127) than in 1973-74 (35 out of 122). Approximately 34 of the 1974-75 Ph.D. graduates have remained in St. Louis, with the others distributed throughout the nation and in several foreign countries.

Morrow said that "The job market is unquestionably tighter than it was ten years ago, but the change is most noticeable in the A.B.D. (all but dissertation) category," (for which he has no statistics). "It may be tough to find a job with a bachelor's, master's or Ph.D. degree, but it's even more difficult with an A.B.D."

Morrow encouraged students who want to pursue a Ph.D. degree to do so despite uncertain economic conditions, and to prepare alternate employment plans if they can't find work in their chosen fields after graduation.



Herb Weitman

Olin Fellow Ellen Li is a Ph.D. candidate in molecular biology; she is also studying for an M.D. degree.

Greenberg To Head WU Senate Council

Edward Greenberg, professor of economics, was elected chairman of the WU Senate Council at a recent meeting of the Council. He succeeds Leon Gottfried, chairman of the Department of Art and Archeology.

The Council also named Greenberg and Kathryn Guberman, assistant professor of English, as the Senate's representatives to the WU Board of Trustees.

Two new members at large have been elected to the Council for two-year terms: Mitchell Taibelson, professor of mathematics, and Harold S. Zarkowsky, assistant professor of pediatrics.

Six new Council members were also elected for three-year terms: Barry R. Schactman, associate professor of fine arts; Michael Greenfield, associate professor of law; Guberman; I Norman Katz, associate professor of applied mathematics in systems science and Pauline Pirtle, assistant professor of social work.

7% Decrease In Campus Crime Since January

For the first eight months of this year crimes on the WU campus decreased 7 percent, when compared to the same period in 1974, in the seven standardized reporting categories of crimes.

Norman O. Schneider, director of the WU Campus Police, said that the decrease was especially encouraging in view of an 18 percent increase reported nationally for the same seven areas of crime. Schneider said that from January through August of this year the number of crimes on campus in the seven uniform reporting areas were: homicide, 0; forcible rape, 0; robbery, 0; assault, 1; burglary, 12; felony theft (over \$50), 53; misdemeanor theft (under \$50), 208; and motor vehicle theft, 25. From 1974 to 1975 in the January-August period, robberies dropped from 7 to 0; assaults from 6 to 1; felony thefts from 57 to 53 and misdemeanor thefts from 228 to 208. Motor vehicle thefts increased from 15 to 25.

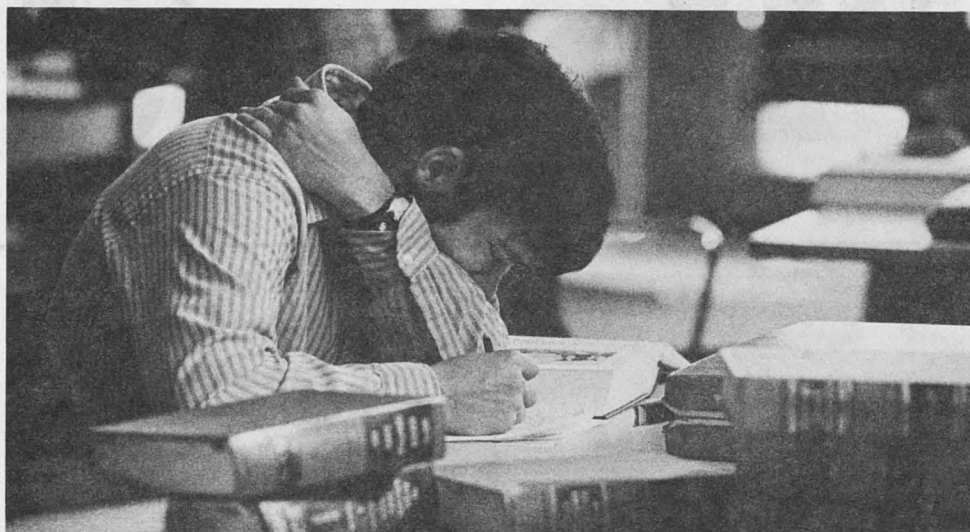
"The most important factor in these statistics so far has been the decline in crimes against persons," Schneider said. Nearly 70 percent of the total of 298 crimes for the eight-month period were misdemeanor thefts, mainly vending machine and bicycle thefts, and articles that students reported missing from their rooms or classrooms.

September statistics for this year were not completed for all seven categories as *The Record* went to press. Schneider reported that a total of two attempted crimes against persons had been investigated by Campus Police this month: one attempted rape on the night of Sept. 16 in the Brown Hall parking lot in which the assailant grabbed a student but fled when she resisted him; and one attempted robbery on the evening of Sept. 18 on Campus Drive, north of Givens Hall, in which a student was asked for his money by a carload of youths who drove away after he dis-

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New Program in Freshman Composition Concentrates on Individual Writing Needs



The English Department has revamped its freshman English composition program to better meet students' individual needs.

The course, formerly taught only in classes of 18-20 students, is now also offered through tutorials and an alternate placement section. The tutorials are for students who have shown they have difficulties with the fundamentals of writing. The alternate placement section is for students who have shown an above-average proficiency in writing but still need help.

This semester approximately 350 students are enrolled in the regular English Composition 100 sections, 36 in the tutorials and 9 in the alternate placement section. Fifty-one students from this year's freshman class placed out of the English composition requirement by achieving a 4 or 5 on the Advanced Placement SAT exam.

This fall freshmen were placed in the various sections and tutorials on the basis of their results on an essay exam devised and administered by the English Department.

The reason for the exam, according to William G. Madsen, chairman of the English Department, was to identify immediately those students who had special writing problems. In previous semesters, such students were often not discovered until the end of the first semester of required composition. Frequently, they did not achieve a C grade, required to receive credit for the course, and would then have to take English Composition 200, a tutorial, in order to receive the special attention they needed. By putting them into a tutorial class their first semester of English composition the department hopes these students' writing skills will be brought up to the required level in one semester.

Six of the most experienced teaching fellows teach the tutorials. Because the exam identified specific problems, such as subject-verb agreement, the teaching fellows have been able to devise suitable programs for each student. The tutors meet with the students individually each week.

Betty White, lecturer in English and coordinator of the tutorial programs, tries to match students with teaching fellows who may have special interest or preparation in the students' particular problems. For example, one student from Holland who was having difficulty with idiomatic English was teamed up with a teacher whose major interest was linguistics.

"The reasons why some students write well and some write poorly are not always clear," said Bernetta Jackson, associate professor of English and consultant to the tutors. "An ineffective writer and a very good writer may come from the same high school. Some students who have special writing problems communicate very well through other forms, drawing or painting for example, but not through words. In general, learning to write well is like learning to play an instrument well," said Jackson. "You have to practice continually. Many high school teachers today have too many students. As a result they assign fewer papers and students don't get the instruction and practice they need in writing."

"In general students do not write as well as they once did," said White. "I notice on exams that essays are shorter. Today's students do not know how to develop ideas fully. Students are very bright and articulate in class but their brightness is not always reflected in their writing."

(Janet Kelley)

Crime

(Continued from page 1)

played an empty wallet.

One robbery-assault case which took place the night of Sept. 16 off-campus on South Skinker near Forsyth is being investigated by St. Louis Police. Graduate student John W. White was assaulted by two youths who robbed him of \$9 and fled when several motorists came to White's aid. White, who required surgery for a head injury, is scheduled to be released from Barnes Hospital today.

No crimes against persons have been reported on campus in the South 40 area during September. Campus Police received two reports of indecent exposure during September in the dormitory area. Apparently in response to the latter incidents and as a crime prevention measure, a group of students have petitioned for a resumption of student patrols on the South 40. From November through May of the last school year three pairs of students patrolled the South 40 each evening under Campus Police coordination. Schneider said that he is not opposed to student patrols, "which obviously give us extra eyes and visibility, but no funds were provided in our budget."

Tomatoe Productions Concert

Margie Adam, California pianist, composer and singer, will perform at 8 p.m. Saturday, Oct. 4, in the Women's Building Lounge on campus.

Adam's extensive West Coast performances include a benefit last June for the Los Angeles Women's Building, where she shared the stage with Meg Christian and Holly Near, both singers and guitarists, and Lily Tomlin, actress and comedienne. Adam's song, "Beautiful Soul," was released this year by Dusty Springfield. She has played back-up on two releases by Olivia records, a recording company owned and operated by women.

Sponsored by the University's Office of Campus Programming, the concert is the first in a series of programs planned this year by Tomatoe Productions, a St. Louis collective of women artists, performers and writers. General admission is \$2.50; WU faculty/staff/students with valid I.D., \$1.25.

DAVID J. PITTMAN, professor of sociology and director of the Social Science Institute at WU, has been appointed to the Missouri Mental Health Commission.

C. M. Wolfe Joins Engineering School

A well-known researcher in the field of applied physics, Charles M. Wolfe, associated for ten years with the M.I.T. Lincoln Laboratory at Lexington, Mass., has joined the School of Engineering and Applied Science faculty as professor of electrical engineering.

He is an authority on semiconductor devices, most of them made from silicon, which have made possible the development of solid-state television sets and transistor radios. This semester Wolfe is teaching two courses on this subject. Other semiconductor materials are used for very high frequency microwave and electro-optical devices, for lasers, and for fiber optics communications.

Since joining the WU faculty, Wolfe has set up several research projects concerned with compound semiconductors. He and some graduate students are working on methods of transforming the infrared rays produced by gallium arsenide, a compound semiconductor, into electrical signals by means of a special detector made of the same material. The successful application of this technique would make it possible to communicate by means of light beams.

Gallium arsenide, when alloyed with phosphorous, emits a visible red light which has made possible the development of lighted numerals for calculators and the new digital watches. These lighted numerals consist of light emitting diodes (LEDs).

Wolfe's interest in compound semiconductors dates back to his Ph.D. research in the early sixties at the University of Illinois, where his mentor was Professor Nick Holonyak, the developer of LEDs. Wolfe was Holonyak's first graduate student; Holonyak, in turn, was Nobel Prize winner John Bardeen's first graduate student. Bardeen, who retired last year from the University of Illinois, won the first of his two Nobel Prizes for the development of the transistor which, in turn, led to the formation of the whole semiconductor industry.

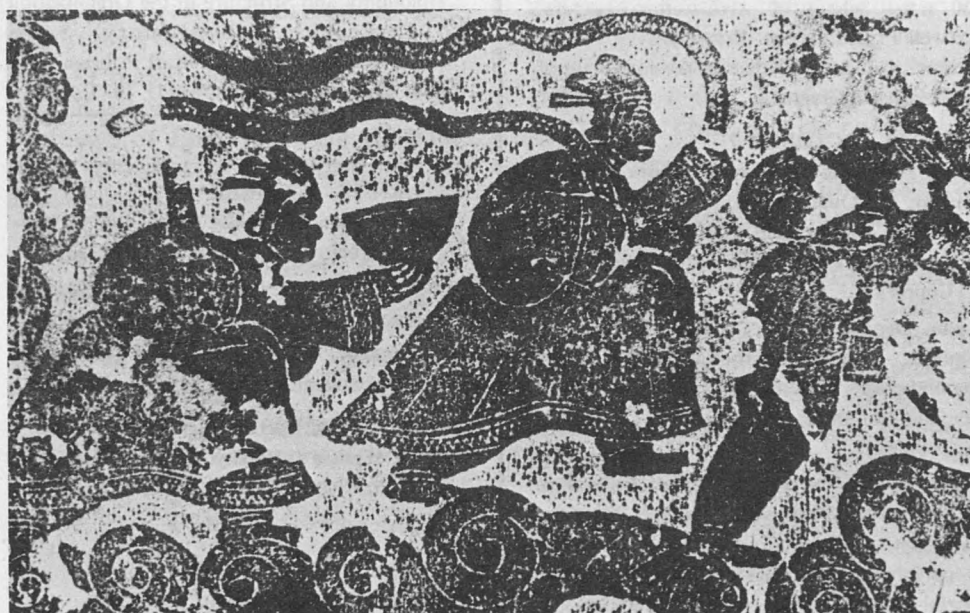
The WU Record is published weekly during the academic year by the Information Office. Editor, Kathy Pearson; assistant editor, Janet Kelley. Address communications to Box 1142.

ANNOUNCEMENTS

EMPLOYEES who haven't previously enrolled in Blue Cross/Blue Shield or the Medical Care Group may now do so. Enrollment will close Oct. 15. Also employees who wish to transfer an individual membership to a family membership or from the Medical Care Group to Blue Cross/Blue Shield or vice versa may do so until Oct. 15. Blue Cross/Blue Shield has established new monthly ratesw; individual plan for Blue Cross is \$13.77, and for Blue Shield, \$3.34; family plan for Blue Cross is \$37.35, and for Blue Shield, \$8.17. New MCG rates are: individual plan, \$26; family plan, \$74.90. (WU contributes \$13.77 per month for either Blue Cross/Blue Shield or MCG for full-time employees). For further information call the Personnel Office, ext. 4691.

JOINT FELLOWSHIPS for doctoral research in Western Europe are available from the Social Science Research Council and the American Council of Learned Societies. The American Scandinavian Foundation is offering fellowships and grants for study in Scandinavia for American graduate students. Deadline for submitting applications for both the above fellowships is Nov. 1. Call Mrs. Tom at the International Office, ext. 4236, for details.

RECREATION HOURS in the Women's Building Gymnasium are: *coed badminton*, 2-3:30 p.m. Wed., 4-6 p.m. Sat., and 2-4 p.m. Sun.; *coed volleyball & table tennis*, 7-10 p.m. Fri., 2-4 p.m. Sat., and 4-6 p.m. Sun.; *women's basketball*, 2:30-4 p.m. Fri. For further information call Lynn Imergoot at ext. 4630.



This rubbing from the Wu shrine in China's Shantung province is part of an exhibit currently on display in Steinberg Gallery.

Measure for Measure To Be Presented at Edison

Measure for Measure, written about 1604 when William Shakespeare was at the summit of his dramatic powers, will be produced by the WU Performing Arts Area in Edison Theatre the weekends of Oct. 10-12 and 17-19. Directed by Sidney J. Friedman, associate professor of drama, the play, which is described as both a moral fable and a comedy, will be presented at 8 p.m. Friday and Saturday, and 2:30 p.m. Sunday.

Set in the corrupt and pleasure-loving city of Vienna, the play's action revolves around an experiment devised by the Duke to test the workings of justice and mercy in his own domain. Senior drama students Suzanne Yows, Allan Trautman, and Trip Bates have the leading roles. General admission is \$3; WU community and all students \$1.50, with group rates available.

RECOGNITIONS

GEORGE JOHNSON, assistant professor of biology at WU, has received a post-doctoral fellowship to study at the Department of Plant Biology maintained by the Carnegie Institution of Washington at Stanford University, Palo Alto, Calif.

PAUL WOOLVERTON, a doctoral candidate in engineering at WU, has received a one-year \$10,000 MTS Systems Corporation Fellowship. He will use the grant to do research in WU's Materials Science Testing Laboratory on computer control of high performance fiber reinforced plastic testing instruments.

Calendar

October 2-9

FRIDAY, OCTOBER 3

8 p.m. Mallinckrodt Center Programming Board Poetry Reading, with David Meltzer, San Francisco poet; Howard Schwartz, poet and prof., UMSL English department; and Lyle Harris, St. Louis jazz guitarist. Umrath Lounge.

SATURDAY, OCTOBER 4

6:30 p.m. WU Woman's Club and Men's Faculty Club Bicentennial Celebration, featuring dinner, entertainment, and door prizes. Jefferson Memorial in Forest Park.

MONDAY, OCTOBER 6

12 noon. Five-Day Computing Facilities Seminar, "Intermediate Job Control Language," David G. Weible, computer education specialist. 215 Cupples II. Call ext. 3138 to register.

3 p.m. George Warren Brown School of Social Work Colloquium, "Four Tools for the Assessment of Social Work Treatment," Walter Hudson, WU prof. of social work, and Dianne Glisson and Nola Proctor, both doctoral students in WU School of Social Work. Brown Lounge.

4 p.m. Department of Biological Chemistry Seminar, "Developmentally Regulated Lectins of the Cellular Slime Molds: Properties and Biological Function," Dr. William A. Frazier, III, of Dept. of Psychiatry, U. of Calif., San Diego. Erlanger Aud.

7:30 p.m. Organizational Meeting for ACIID Magazine (A Critical Insight Into Israel's Dilemmas). Open to all persons interested in working on the publication. 303 Mallinckrodt Center.

8 p.m. Center for Archaeometry Seminar, "A Technical Study of Bronzes in the National Gallery, Washington, D.C.," Arthur Beale, conservator, Fogg Museum, Harvard U. 241 Compton.

8:30 p.m. School of Architecture Lecture. Maxwell Fry, architect, Fry, Drew, Knight & Creamer, London, will discuss the early days of the CIAM. 116 Givens.

TUESDAY, OCTOBER 7

2 p.m. Technology & Human Affairs Program Seminar, "A Quantitative Approach to Urban Watershed Management," William P. Darby, asst. prof. of civil engineering, Northeastern U. 215 Cupples II.

3 p.m. Department of Chemical Engineering Seminar, "Pharmacokinetics and Cancer Chemotherapy," Kenneth B. Bischoff, director, school of chemical engineering, Cornell U. 100 Cupples II.

4 p.m. WU Chapter of the American Association of University Professors Annual Meeting, "Affirmative Action," Gloria White, director of personnel, and Peter Ruger, University general counsel. 311 McMillen Laboratory. (The discussion will be preceded by a business meeting).



Jean Ritchie, a Kentucky dulcimer player who was a central figure in America's early folk music movement, will give the second concert in a five-part "Perspectives in American Music" series at 8 p.m. Fri., Oct. 10, in Graham Chapel. General admission is \$3.50 in advance (\$2.50 with S.U. card); \$4 for everyone at the door.

4 p.m. Division of Biology and Biomedical Sciences Seminar, "Conservation of RNA during oogenesis: fact or artifact?" L. Dennis Smith, prof. of biology, department of biological sciences, Purdue U. 213 Rebstock.

8:30 p.m. School of Architecture Lecture. Jane Drew, architect, of Fry, Drew, Knight & Creamer, London, will discuss the firm's international practice. Steinberg Aud.

WEDNESDAY, OCTOBER 8

11 a.m. Assembly Series Lecture, "The Psychology of Death and Dying," Dr. John Vavra, WU prof. of medicine. Graham Chapel.

1 p.m. WU Woman's Club Walking Tour of Campus for Woman's Club Newcomers. Meet at Women's Bldg.

THURSDAY, OCTOBER 9

4 p.m. Department of Psychology Lecture, "Holonomy and Structure in the Organization of Perception and Memory: Some Neurophysiological Data," Karl Pribram, professor of psychology, Stanford U. 107 Eads.

SPORTS

SATURDAY, OCTOBER 4

10:30 a.m. Women's Varsity Tennis. WU vs. Lindenwood College. At Lindenwood College.

11 a.m. Cross Country. Mo. State Intercollegiate Championships. At Columbia, Mo.

2 p.m. Soccer. WU vs. Blackburn College. At Blackburn College.

TUESDAY, OCTOBER 7

4 p.m. Women's Varsity Tennis. WU vs. UMSL. At UMSL.

WEDNESDAY, OCTOBER 8

4:45 p.m. Soccer. WU vs. UMSL. At UMSL.

THURSDAY, OCTOBER 9

4 p.m. Women's Varsity Tennis. WU vs. Principia College. At Principia College.

FILMS

THURSDAY, OCTOBER 2

7:30 & 9:30 p.m. WU Filmboard Series, "Notorious," with Ingrid Bergman and Cary Grant. Brown Hall Theatre. Admission \$1.

FRIDAY, OCTOBER 3

7:30 & 9:15 p.m. WU Filmboard Series, "The Seduction of Mimi," Italian, with English subtitles. Wohl Center Line D. Admission \$1.25. (Also Sat., Oct. 4, in Brown Hall Theatre).

8:15 p.m. Regular Film Series, "My Universities," Director. Donskoi deals with Maxim Gorky's early manhood. Steinberg Aud. Admission \$1.25. (Also at 2:30 p.m., Sun., Oct. 5).

11 p.m. WU Filmboard Series, "The Emigrants," with Liv Ullmann and Max von Sydow. Wohl Center Line D. Admission \$1. (Also Sat., Oct. 4 in Brown Hall Theatre).

TUESDAY, OCTOBER 7

7:30 & 9:30 p.m. WU Filmboard Series, "Bringing Up Baby," with Cary Grant and Katherine Hepburn. Brown Hall Theatre. Admission \$1.

THURSDAY, OCTOBER 9

7:30 & 9:30 p.m. WU Filmboard Alfred Hitchcock Series, "Dial M For Murder," with Ray Milland and Grace Kelly. Brown Hall Theatre. Admission \$1.

EXHIBITIONS

Thomas Mann Centennial Exhibit: 1875-1975. A traveling exhibit of 25 photographs of the late German novelist from the Goethe Institute in New York City. Level 3, Olin Library. 8 a.m.-12 midnight, daily. Through mid. Oct.

"Female Voices," an exhibit of selections of women authors' works from the Special Collection of Modern Literature. Letters, poetry, worksheets, and prose writings are included. Rare Book Department, Level 5, Olin Library. 8:30 a.m.-5 p.m. weekdays. Through December.

"Three Centuries of French Posters," an exhibition from the Musee des Arts Decoratifs in Paris, co-sponsored by L'Association Francaise d'Action Artistique. Steinberg Hall. Mon.-Fri. 9 a.m.-5 p.m.; Sat. 10 a.m.-4 p.m.; Sun. 1-5 p.m. Through Oct. 20.

"Rubblings from the Wu Shrine," an exhibition of a series of rubbings donated to Washington University by Mr. and Mrs. Ingram Boyd, Jr. Steinberg Gallery. Mon.-Fri., 9 a.m.-5 p.m.; Sat., 10 a.m.-4 p.m.; Sun. 1-5 p.m. Through Oct. 25.

MUSIC

SATURDAY, OCTOBER 4

8 p.m. Office of Campus Programming Concert by Margie Adam, West Coast pianist, composer and singer. First in a series of programs planned this year by Tomatoe Productions, a St. Louis collective of women artists, performers and writers. Women's Bldg. Lounge. General admission \$2.50; WU faculty/staff/students \$1.25 with valid I.D.